AIR FORCE UPDATE

Col Tim Greydanus, MD
USAF, MC, SFS

Air Force Carrier

Overview

- Color Vision Standards
- RPA Standards
- Pilot-Physician Program
- Flight Surgeon Flying Training Program
- Flight and Operational Medical Technician Training
- Electronic Waiver Management System
- Joint Endeavors
- “Odds and Ends”

Color Vision Standards

Color Vision Standards

- Multi-function, multi-color displays in the F-22 and F-35
- low-illumination, low-contrast environments
- up-graded visors
- Cone Contrast Test (CCT)
- joint standards for color vision

Before Mr Koppy reviews their physical….

After Mr Koppy reviews their physical…

RPA Medical Standards

Small, Unmanned Airborne System (SUAS) Operator

RPA “Top Knife” Program

- Holloman AFB, New Mexico
- One week program
- 21 Flight Surgeons and Psychologists trained thus far
- Participate in MQ-1/9 missions in a training environment

F-15 C Eagle

Lt Gen Tom Travis, AF/SG

Pilot –Physician Program

Pilot-Physician Program

- Flight Surgeon to Pilot Training
- 2015 is the 3rd year for the program
- Goal: 20-25 Pilot-Physicians
- One for each major weapons platform and at the Major Commands as well as HQ Air Force
- 2-4 slots at both undergraduate pilot and RPA pilot training per year
- Squadron billets are funded by AFMS dollars

A-10 Thunderbolt

Flight Surgeon Flying Training

- Difficulty competing for flying hours with other training pipelines
- Flights during Aerospace Medicine Primary (AMP) course were often more orientation or incentive type flights
- Most flying expertise came from OJT at Squadron level

Flight Surgeon Flying Training

- Developed separately funded program to conduct flight training for flight surgeons.
- 8-9 retired Air Force pilots (all FAA CFI's), Cirrus SR22 and Pitts S2B aircraft
- Utilize a community airport near Wright-Patterson AFB, OH
- Separated original Aerospace Medicine Primary(AMP) course into 4 distinct tracts (AMP 101, 201, 202, and 301)

Flight Surgeon Flying Training

- AMP 101: Orientation to Operational Flight Medicine
  - Goal is to include all medical officers in the Air Force
  - Up to 70 students per class/6 classes per year
  - MEB's/Profiles/Wounded Warrior education
  - Intro to Aeromedical topics
  - ½ day of Ground School (physio, aerodynamics, etc)
  - 1 flight in Cirrus SR22

Flight Surgeon Flying Training

- AMP 201: Academic Portion of Flight Surgeon Trng
- AMP 202: Flying Training
  - 8-10 hours of flight time/6 flight profiles
    - Orientation Flight
    - Ground reference/feature recognition flight
    - Formation flight
    - Acrobatic flight (9 maneuvers/up to 5 G’s, Pitts S2B)
    - Low-level flight (Nav, Weapons delivery, CRM)
    - Night flight

Flight Surgeon Flying Training

- AMP 301: Mission Ready Flight Surgeon
  - ATLS
  - NVG course
  - Medical Review Officer (MRO) course
  - Aircraft Mishap/Safety Course

- RAM’s
  - 20 hours towards soloing in Cessna/Piper

Flight Surgeon Flying Training

Flight Surgeon Flying Training

Flight Surgeon Flying Training

F-86 Sabre

4F Career Field

- AVT equivalent
- Phased out in the late 90’s
- 4N’s would float through medical facility, including Aerospace Medicine
- Loss of continuity and corporate knowledge in the unique aspects of Flight Medicine

4F Career Field

- Restarted Flight and Operational Medical Technician (FOMT) training in May of 2014
  - Separate career field
  - Training in MEB's/Profiles
  - Waiver Management/Waiver Guide
  - Aeromedical Physiology
  - Flight-line response/Mishaps

C-17 Globemaster

New Electronic Waiver Management System

- AIMWTS: Aeromedical Information Management and Waiver Tracking System
- PEPP: Physical Examination Processing Program
- New system will combine these two programs but not lose the functionality of either
- Minimize multiple inputs of the same information
- Should be visible by other services
- Currently in the requirements building phase
- AERO??

F-35

Joint Endeavors

- Joint Standards and Medical Qualifications
- Joint Waiver Guide
- Joint Aeromedical Planning (JAMPs) Working Group
- Joint Aeromedical Forms and Publications
  - Joint Up-Slip

RAM-FM Combined Residency

- Open to active duty non-residency trained FS's with at least two years in flight medicine
- MPH at Wright State University, Dayton OH
- RAM at USAF School of Aerospace Medicine
- Family Medicine residency at Wright State University Boonshoft School of Medicine, community-based FP training program
- Combined expertise in both operational and clinical medicine

A few more topics…

- Obesity/Overweight as a standard?
  - comorbidity and risk factor for many disqualifying conditions (OSA, DM, IFG)
  - operational risk

A few more topics…

- AFMS Human Performance Concept of Operations
  - Use flight medicine model for the delivery of medical care
  - Enroll entire units to one PCM, encourage shop visits, participate in Commander's Calls, etc.
  - " know the needs of the populations we serve, and understand their missions to better…support them." Lt Gen Travis

Go Air Force!
QUESTIONS?